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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/575,345	03/26/2007	Randell L. Mills	08056.0014-00	2195
22852 7590 10/22/25999 FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER LLP 901 NEW YORK AVENUE, NEW YASHINGTON, DC 20001-4413			EXAMINER	
			NGUYEN, DUNG T	
			ART UNIT	PAPER NUMBER
		2828		
			MAIL DATE	DELIVERY MODE
			10/22/2009	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Application No. Applicant(s) 10/575,345 MILLS, RANDELL L. Office Action Summary Examiner Art Unit DUNG T. NGUYEN 2828 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS. WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on 13 July 2009. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4)\ Claim(s) 1-24.31.45-49.51-53.58.66.67.149 and 150 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) _____ is/are allowed. 6) Claim(s) 1.2.4-14,17,18,21,23,31,45-49,51-53,58,66,67,84,85 and 150 is/are rejected. 7) Claim(s) 3.15.16.20.22.24 and 149 is/are objected to. 8) Claim(s) _____ are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10)⊠ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abevance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413) Paper No(s)/Mail Date ___ Notice of Draftsperson's Fatent Drawing Review (PTO-948) 5) Notice of Informal Patent Application Information Disclosure Statement(s) (PTO/SB/08)

Paper No(s)/Mail Date _

6) Other:

Application/Control Number: 10/575,345 Page 2

Art Unit: 2828

OFFICE ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

Claims 1-2, 4-14, 17-18, 21, 23, 31, 45-49, 51-53, 58, 66-67, 84-85, 150 are rejected under 35 U.S.C. 102(a) as being anticipated by Mills (2003/0129117).

The entire document discloses a laser (light emitting) medium comprising H2(1/p) where p is an integer and 1 ,

a cavity comprising the laser medium, and

a power source to form an inverted population in the energy level of H2(1/p).

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-2, 4-6, 7-14, 19, 21, 23, 31, 48-49, 51-53, 58, 66, 84-85, 150 are rejected under 35 U.S.C. 102(b) as being anticipated by Rhodes (3789319).

The entire document and Fig.1 disclose a laser (light emitting) medium comprising

H2(1/p) where p is an integer and $1 \le p \le 137$ (the examiner chooses "p" equal to 1),

a cavity 23-24 comprising the laser medium, and

a power source 19-20 to form an inverted population in the energy level of H2(1/p).

Art Unit: 2828

Allowable Subject Matter

Claims 3, 20, 22 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claims 15-16, 24, 149 are also found objected due to their dependency on claim 3.

Communication Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dung (Michael) T Nguyen whose telephone number is (571) 272-1949. The examiner can normally be reached on 8:30 - 17:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Min Harvey can be reached on (571) 272-1835. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-1835.

Michael Dung Nguyen Primary Examiner /Dung (Michael) T Nguyen/ Primary Examiner, Art Unit 2828